

ABSTRACT

A cylindrical heat-generating member is disposed in a valve casing including a valve seat in a flow path connecting main ports, a valve member for opening and closing the valve seat, and a rod connecting the valve member and a piston. A first heater is mounted in the heat-generating member. The heat-generating member and a heat receiving member of the valve member are connected to each other by a heat-transfer member for expansion and contraction. As a result, the valve member is constantly heated through the heat-transfer member irrespective of its open/closed position. When the valve member is open, the heat receiving member comes in contact with the heat-generating member and the valve member is directly heated.